



Northwest Missouri State University
 Department of Math and Statistics
 Mathematics Comprehensive (No Minor Required)
 Bachelor of Science

| First Year | | | | | |
|--------------------|----------------------------------|-----------|--------------------|--------------------------------|-----------|
| First Semester | | | Second Semester | | |
| 10-111 | Composition I | 3 | 10-112 | Composition II | 3 |
| 77-101 | University Seminar | 1 | | American Experiences | 3 |
| 17-120 | Calculus I | 4 | 17-121 | Calculus II | 5 |
| 29-102 | Oral Communication | 3 | 17-197 | Orientation to Careers in Math | 1 |
| 17-145 | Computational Reasoning and Data | 3 | 17-114 | General Statistics | 3 |
| Total Hours | | 14 | Total Hours | | 15 |
| Second Year | | | | | |
| First Semester | | | Second Semester | | |
| | Math Elective | 3 | | Math Elective | 3 |
| 17-333 | Probability & Statistics | 3 | | Social & Behavioral Science | 3 |
| | Life Science & Lab | 4 | | Physical Science & Lab | 4 |
| 34-102 | American Government & Politics | 3 | | Western Experiences | 3 |
| | Digital Literacy | 3 | 17-334 | Mathematical Modeling | 3 |
| Total Hours | | 16 | Total Hours | | 16 |
| Third Year | | | | | |
| First Semester | | | Second Semester | | |
| 17-311 | Linear Algebra | 3 | | Global Experiences | 3 |
| 17-390 | Transition to Proofs | 3 | | Social & Behavioral Science | 3 |
| 17-316 | Linear Stata. Models I | 3 | | General Electives | 3 |
| 10-220 | Intro. To Literature | 3 | | General Elective | 3 |
| | General Elective | 3 | | Math Elective | 3 |
| Total Hours | | 15 | Total Hours | | 15 |
| Fourth Year | | | | | |
| First Semester | | | Second Semester | | |
| | Math Elective | 3 | | Math Elective | 3 |
| | Math Elective | 3 | 17-495 | Seminar in Math | 2 |
| | General Electives | 9 | | General Electives | 5 |
| | | | | Fine Arts | 3 |
| Total Hours | | 15 | Total Hours | | 14 |

Students must earn a minimum total of 120 hours to complete their degree.

This sample plan is a supplement to your Degree Audit. Consult your advisor on a regular basis for individual academic planning.



THE NORTHWEST DIFFERENCE

Students in the mathematics major will recognize, represent, and use patterns to creatively address problems in a wide variety of settings. At Northwest, students will see and explore the beauty and utility of mathematics from a diverse faculty of highly qualified and nationally recognized mathematicians. Upon graduation, students will be able to compete successfully for jobs in business, industry, and government or continue in graduate studies.

CAREER OPPORTUNITIES

100%
placement rate

100% of mathematics graduates find employment or continue their education within six months of graduation. Below is a list of job titles:

- Convergence editor
- Business consultant
- Customer service information technology manager
- Forecasting analyst
- Math teacher
- Operations research analyst
- Network planner/designer/architect
- Technical marketing engineer
- Underwriter

*Based on self-reported data.

BEYOND THE CLASSROOM

Northwest Student Chapter of **Mathematical Association of American** (MAA) promotes the interest and study of mathematics through problem-solving, meetings, lectures and social events.

Pi Mu Epsilon is a national honorary society that promotes mathematics and honors students who have excelled in the major and helps students who need assistance with their studies.